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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1	.	Web Page for STN Seminar Schedule - N. America
NEWS	2	JUL 02	LMEDLINE coverage updated
NEWS	3	JUL 02	SCISEARCH enhanced with complete author names
NEWS	4	JUL 02	CHEMCATS accession numbers revised
NEWS	5	JUL 02	CA/CAPLUS enhanced with utility model patents from China
NEWS	6	JUL 16	CAPLUS enhanced with French and German abstracts
NEWS	7	JUL 18	CA/CAPLUS patent coverage enhanced
NEWS	8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	9	JUL 30	USGENE now available on STN
NEWS	10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	11	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	12	AUG 13	CA/CAPLUS enhanced with additional kind codes for granted patents
NEWS	13	AUG 20	CA/CAPLUS enhanced with CAS indexing in pre-1907 records
NEWS	14	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	15	AUG 27	USPATOLD now available on STN
NEWS	16	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	17	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	18	SEP 13	FORIS renamed to SOFIS
NEWS	19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	20	SEP 17	CA/CAPLUS enhanced with printed CA page images from 1967-1998
NEWS	21	SEP 17	CAPLUS coverage extended to include traditional medicine patents
NEWS	22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	23	OCT 02	CA/CAPLUS enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	24	OCT 19	BEILSTEIN updated with new compounds
NEWS	25	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	26	NOV 19	WPIX enhanced with XML display format
NEWS	27	NOV 30	ICSD reloaded with enhancements
NEWS EXPRESS	19	SEPTEMBER 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:00:49 ON 02 DEC 2007

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 16:01:06 ON 02 DEC 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 NOV 2007 HIGHEST RN 956429-10-0

DICTIONARY FILE UPDATES: 30 NOV 2007 HIGHEST RN 956429-10-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10588697.str

Structure attributes must be viewed using STN Express query preparation.

=> s sss sam l9

SAMPLE SEARCH INITIATED 16:11:07 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 29631 TO ITERATE

6.7% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

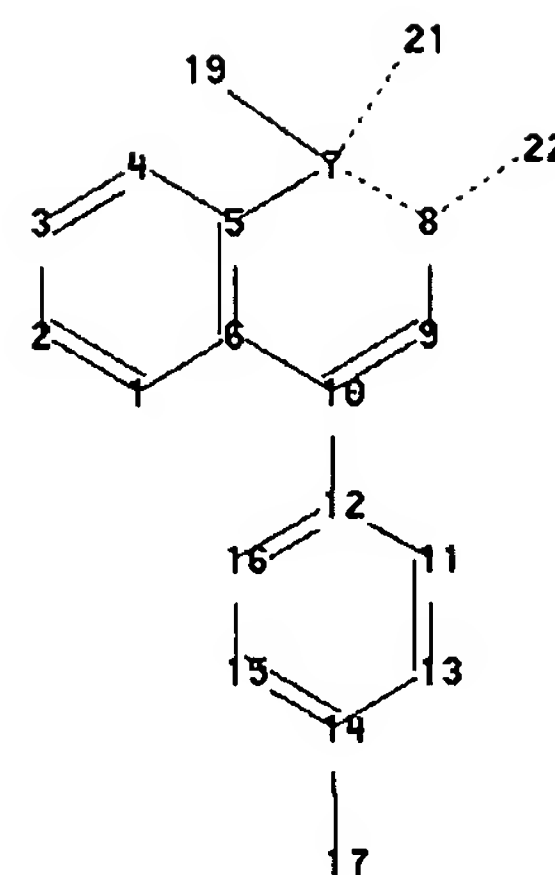
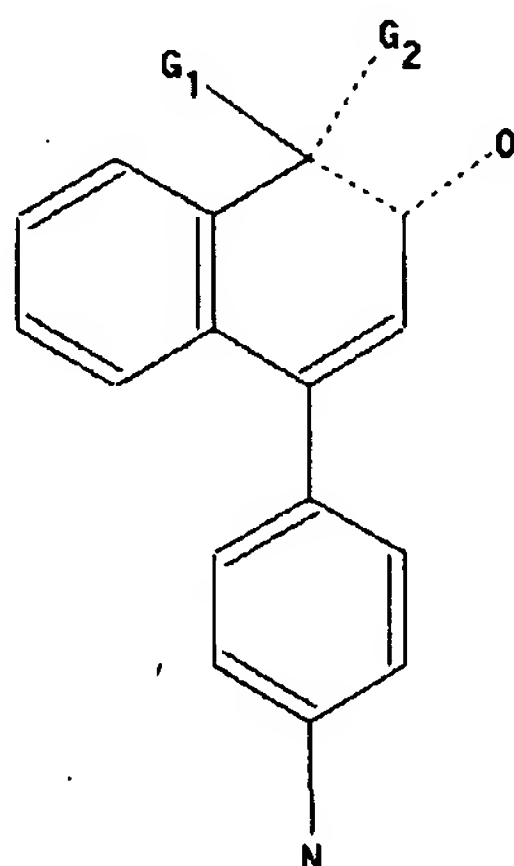
0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 582325 TO 602915
PROJECTED ANSWERS: 0 TO 0

L10 0 SEA SSS SAM L9

=>

Uploading C:\Program Files\Stnexp\Queries\10588697AA.str



chain nodes :

19 21 22

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ring/chain nodes :

17

chain bonds :

7-19 7-21 8-22

ring/chain bonds :

14-17

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 10-12 11-13 11-12 12-16
13-14 14-15 15-16

exact/norm bonds :

5-7 6-10 7-8 7-19 7-21 8-9 8-22 9-10 10-12 14-17

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 11-13 11-12 12-16 13-14 14-15 15-16

G1: Ak, Cy

G2:H,Ak,Cy,X,O,S,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 19:CLASS 21:CLASS
22:CLASS

L11 STRUCTURE UPLOADED

=> d l11

L11 HAS NO ANSWERS

L11 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s sss sam l11

SAMPLE SEARCH INITIATED 16:16:39 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 29631 TO ITERATE

6.7% PROCESSED 2000 ITERATIONS

1 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 582325 TO 602915

PROJECTED ANSWERS: 66 TO 526

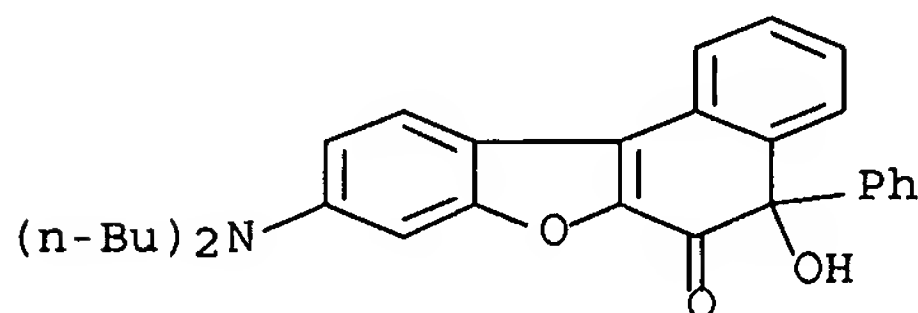
L12 1 SEA SSS SAM L11

=> d scan

L12 1 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN

IN Benzo[b]naphtho[1,2-d]furan-6(5H)-one, 9-(dibutylamino)-5-hydroxy-5-phenyl-

MF C30 H31 N O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> s sss l11 full
FULL SEARCH INITIATED 16:16:55 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 598070 TO ITERATE

100.0% PROCESSED 598070 ITERATIONS 10 ANSWERS
SEARCH TIME: 00.00.07

L13 10 SEA SSS FUL L11

=> save l13 temp yosh10588697/a
ANSWER SET L13 HAS BEEN SAVED AS 'YOSH10588697/A'

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 184.70 184.91

FILE 'CAPLUS' ENTERED AT 16:18:29 ON 02 DEC 2007
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FILE COVERS 1907 - 2 Dec 2007 VOL 147 ISS 24
FILE LAST UPDATED: 30 Nov 2007 (20071130/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

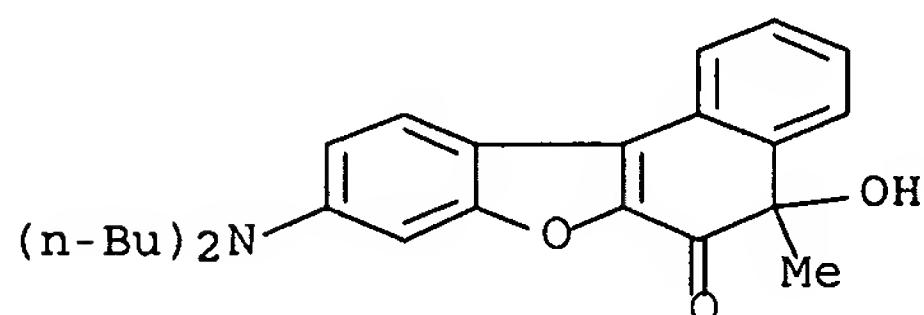
<http://www.cas.org/infopolicy.html>

=> s l13
L14 3 L13

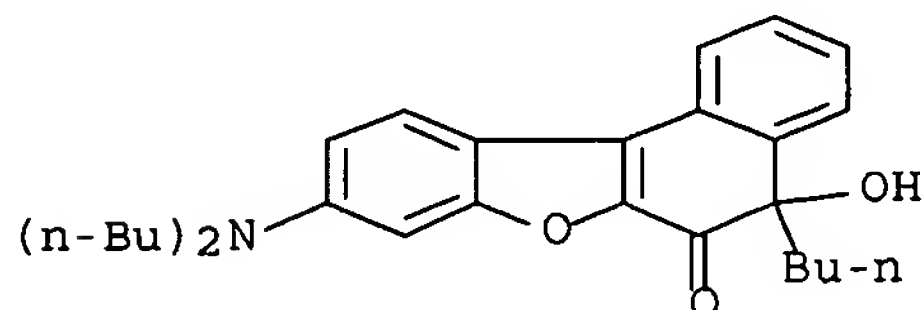
=> d ibib abs hitstr 1-3

L14 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:1164604 CAPLUS Full-text
DOCUMENT NUMBER: 146:89814
TITLE: Heterocyclic quinol-type fluorophores: synthesis, X-ray crystal structures, and solid-state photophysical properties of novel 5-hydroxy-5-substituent-benzo[b]naphtho[1,2-d]furan-6-one and 3-hydroxy-3-substituent-benzo[kl]xanthen-2-one derivatives
AUTHOR(S): Ooyama, Yousuke; Okamoto, Tomohiro; Yamaguchi, Takahiro; Suzuki, Toshihisa; Hayashi, Akiko; Yoshida,

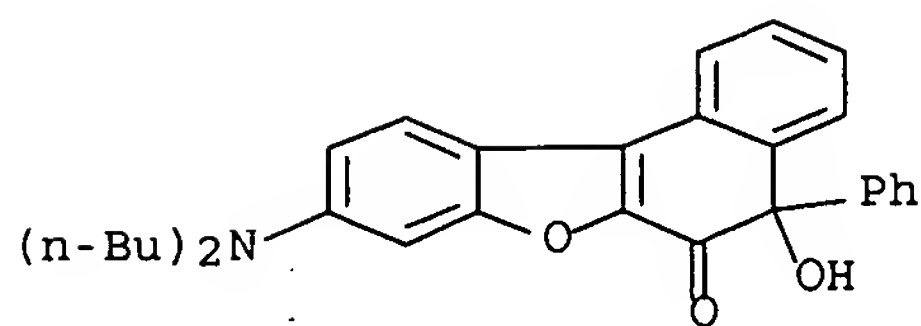
Katsuhira
 CORPORATE SOURCE: Dep. Mateer. Sci., Fac. Sci., Kochi Univ.,
 Akebono-cho, Kochi, 780-8520, Japan
 SOURCE: Chemistry--A European Journal (2006), 12(30),
 7827-7838
 CODEN: CEUJED; ISSN: 0947-6539
 PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 146:89814
 AB Novel heterocyclic quinol-type fluorophores (4a-c) and (5a-c) that contain
 substituents (R = Me, Bu, Ph) with nonconjugated linkages to the chromophore
 skeleton were synthesized and their photophys. properties were studied in
 solution and in the solid state. Considerable differences in the absorption
 and fluorescence spectra were observed between the two states. Quinols 4a-c
 and 5a-c exhibited almost the same absorption and fluorescence spectra in
 solution; however, their solid-state fluorescence excitation and emission
 spectra in the crystalline state were quite different. The authors performed
 x-ray crystallog. analyses to elucidate the dramatic effect of the
 substituents of the nonconjugated linkage on the solid-state fluorescence
 excitation and emission spectra. The relations between the solid-state
 photophys. properties and the chemical and crystal structures of 4a-c and 5a-c
 are discussed from the x-ray crystal structures.
 IT 862846-23-9P 862846-24-0P 862846-25-1P.
 862846-26-2P 862846-27-3P 862846-28-4P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (of novel 5-hydroxy-5-substituent-benzo[b]naphtho[1,2-d]furan-6-one and
 3-hydroxy-3-substituent- benzo[k]xanthen-2-one derivs.)
 RN 862846-23-9 CAPLUS
 CN Benzo[b]naphtho[1,2-d]furan-6(5H)-one, 9-(dibutylamino)-5-hydroxy-5-methyl-
 (CA INDEX NAME)



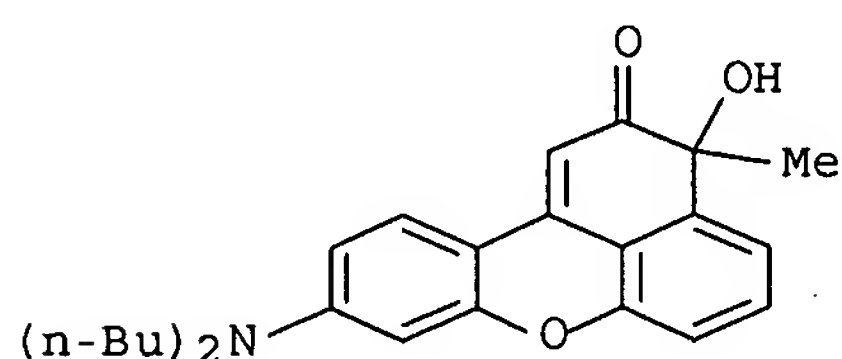
RN 862846-24-0 CAPLUS
 CN Benzo[b]naphtho[1,2-d]furan-6(5H)-one, 5-butyl-9-(dibutylamino)-5-hydroxy-
 (CA INDEX NAME)



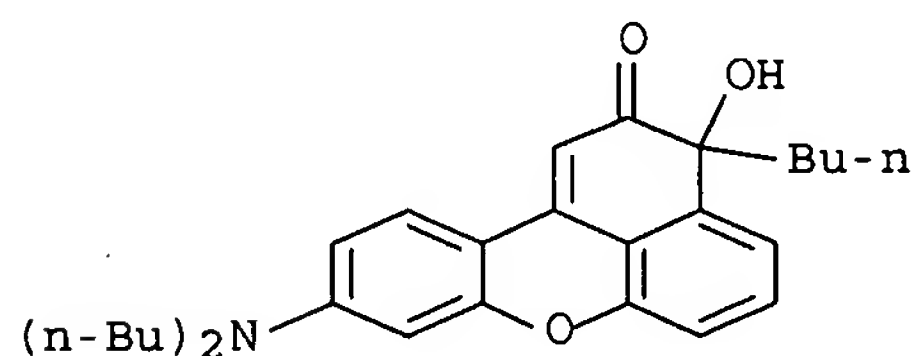
RN 862846-25-1 CAPLUS
 CN Benzo[b]naphtho[1,2-d]furan-6(5H)-one, 9-(dibutylamino)-5-hydroxy-5-phenyl-
 (CA INDEX NAME)



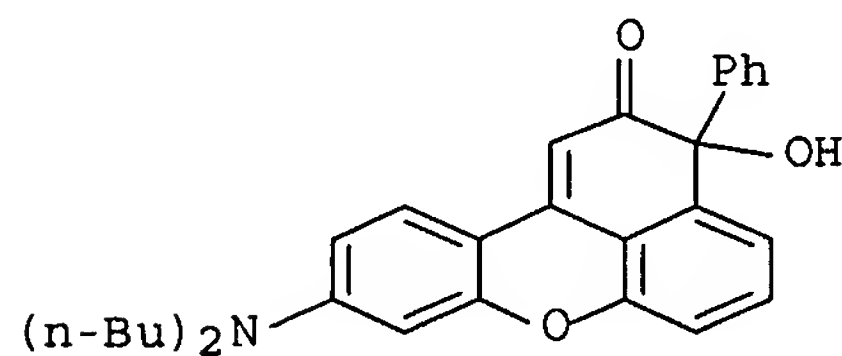
RN 862846-26-2 CAPLUS
 CN Benzo[kl]xanthen-2(3H)-one, 9-(dibutylamino)-3-hydroxy-3-methyl- (CA INDEX NAME)



RN 862846-27-3 CAPLUS
 CN Benzo[kl]xanthen-2(3H)-one, 3-butyl-9-(dibutylamino)-3-hydroxy- (CA INDEX NAME)



RN 862846-28-4 CAPLUS
 CN Benzo[kl]xanthen-2(3H)-one, 9-(dibutylamino)-3-hydroxy-3-phenyl- (CA INDEX NAME)



REFERENCE COUNT: 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:1026087 CAPLUS Full-text

DOCUMENT NUMBER: 143:336429
 TITLE: The color conversion film, the color conversion filter and the organic EL display
 INVENTOR(S): Yoshida, Shohei; Oyama, Yosuke; Kawaguchi, Takeshi; Kobayashi, Makoto
 PATENT ASSIGNEE(S): Kochi University, Japan; Fuji Electric Holding Co., Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 25 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005259688	A	20050922	JP 2005-34904	20050210
PRIORITY APPLN. INFO.:			JP 2004-37033	A 20040213
OTHER SOURCE(S):	MARPAT 143:336429			

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The disclosed color conversion film contains a binder and a dye selected from I or II (R1 = alkyl, cycloalkyl, phenyl; R2, R3 = C1-10 alkyl, C5-10 cycloalkyl; R4, R5 = H; R2-R4 and R3-R5 combination may form alkylene groups to complete rings; X = alkyl, cycloalkyl, Ph, halo, OR6, R6CO2, SR6, NR6R7; R6, R7 = H, alkyl cycloalkyl; Z = O, S, NR6). Optionally, the film may also contain red-conversion dye selected from rhodamine, cyanine, pyridine, and oxazine dyes. Color filters and organic electroluminescent display devices which uses the color conversion films are also disclosed. The film exhibit excellent light-fastness.

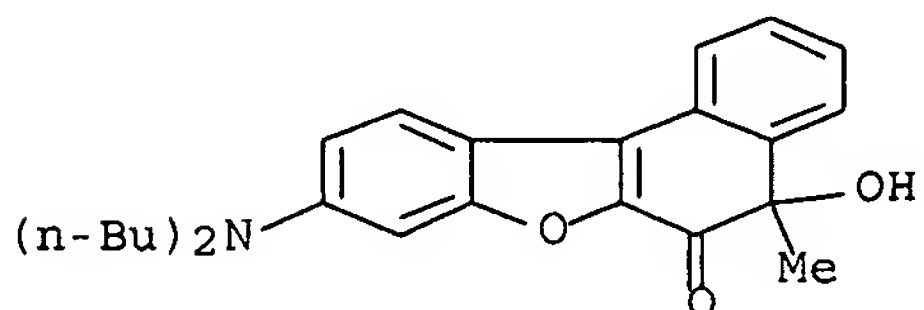
IT 862846-23-9P 862846-24-0P

RL: RCT (Reactant); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(intermediate in synthesis of naphthoquinone derivative dyes for color conversion filters of organic EL displays)

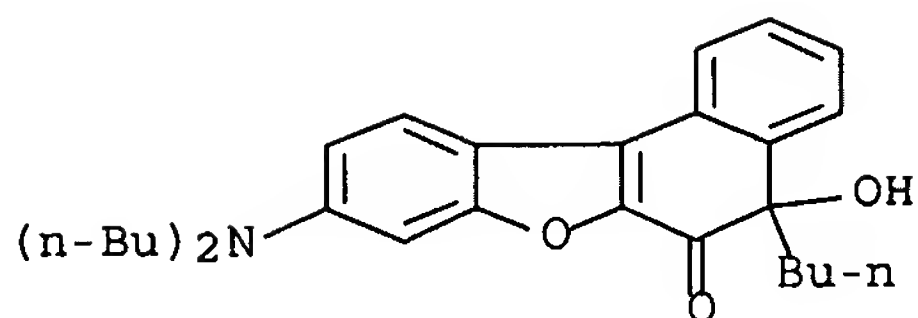
RN 862846-23-9 CAPLUS

CN Benzo[b]naphtho[1,2-d]furan-6(5H)-one, 9-(dibutylamino)-5-hydroxy-5-methyl- (CA INDEX NAME)



RN 862846-24-0 CAPLUS

CN Benzo[b]naphtho[1,2-d]furan-6(5H)-one, 5-butyl-9-(dibutylamino)-5-hydroxy- (CA INDEX NAME)



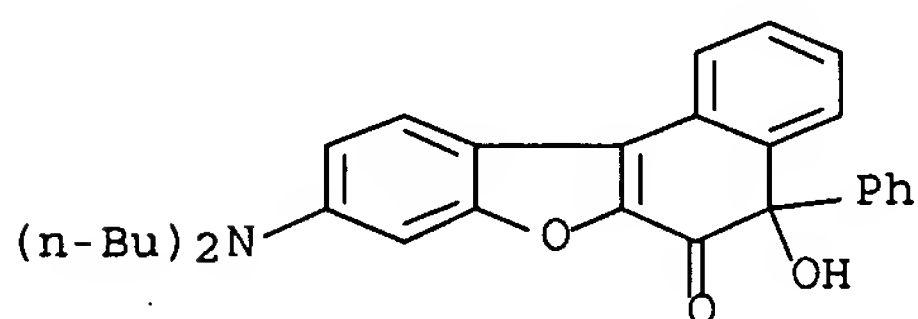
IT 862846-25-1P 862846-26-2P 862846-27-3P
 862846-28-4P 862846-29-5P 862846-30-8P
 862846-32-0P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(synthesis of naphthoquinone derivative dyes for color conversion filters of organic EL displays)

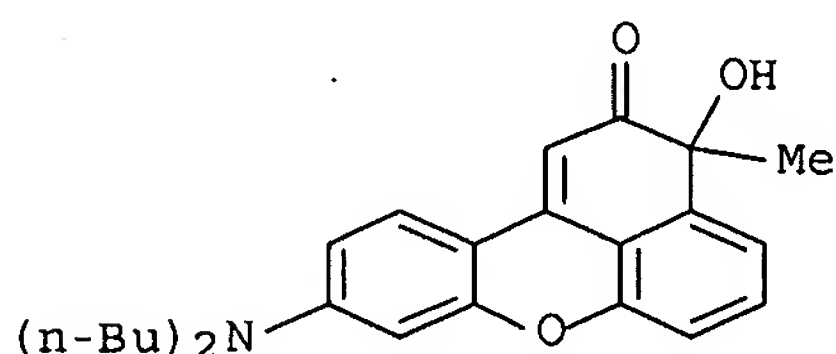
RN 862846-25-1 CAPLUS

CN Benzo[b]naphtho[1,2-d]furan-6(5H)-one, 9-(dibutylamino)-5-hydroxy-5-phenyl-
 (CA INDEX NAME)



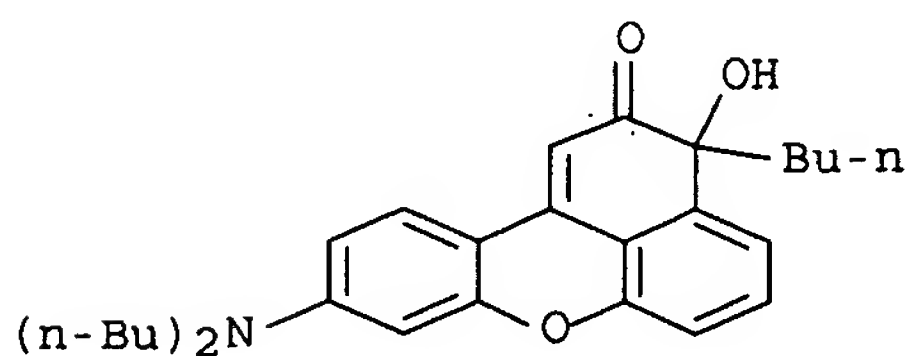
RN 862846-26-2 CAPLUS

CN Benzo[kl]xanthen-2(3H)-one, 9-(dibutylamino)-3-hydroxy-3-methyl- (CA
 INDEX NAME)

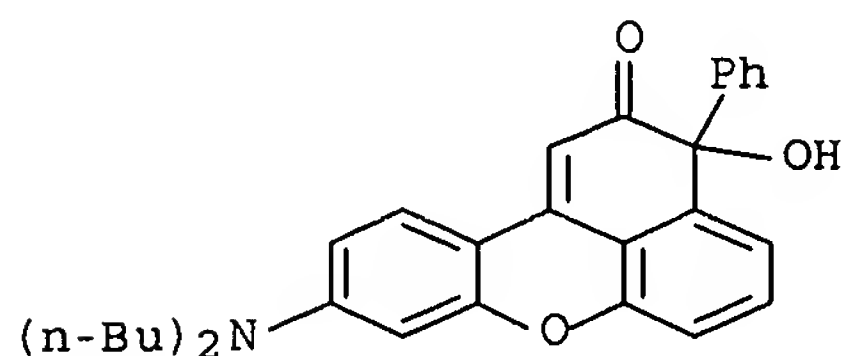


RN 862846-27-3 CAPLUS

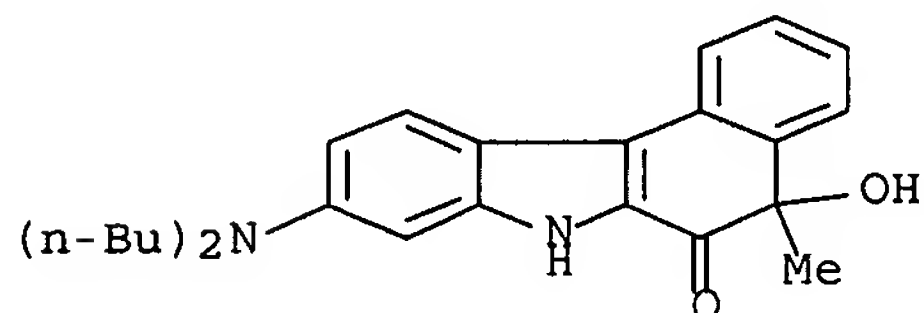
CN Benzo[kl]xanthen-2(3H)-one, 3-butyl-9-(dibutylamino)-3-hydroxy- (CA INDEX
 NAME)



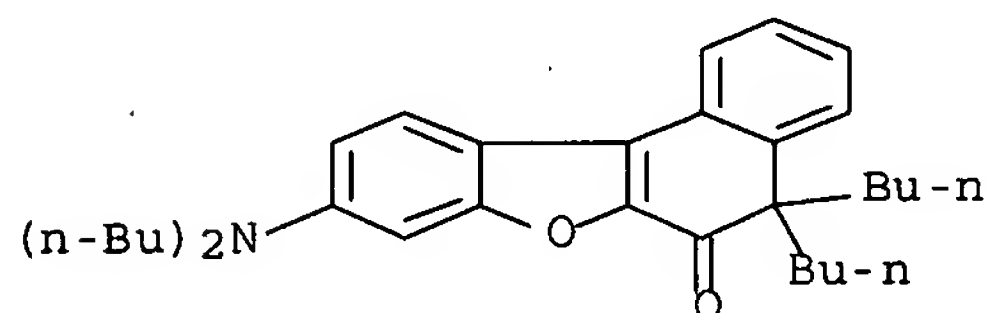
RN 862846-28-4 CAPLUS
 CN Benzo[k]xanthen-2(3H)-one, 9-(dibutylamino)-3-hydroxy-3-phenyl- (CA INDEX NAME)



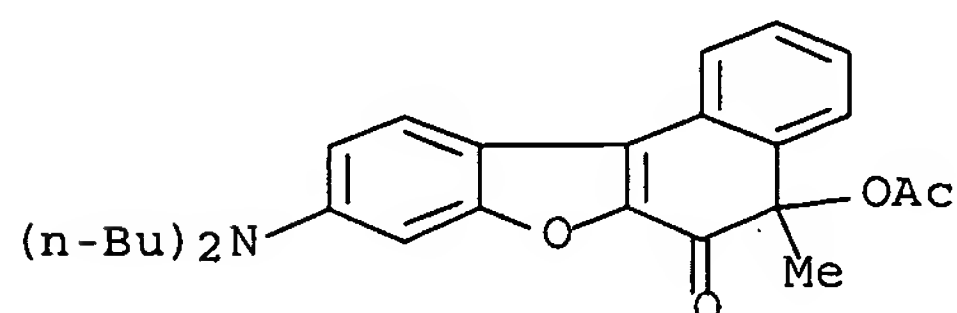
RN 862846-29-5 CAPLUS
 CN 6H-Benzo[c]carbazol-6-one, 9-(dibutylamino)-5,7-dihydro-5-hydroxy-5-methyl- (CA INDEX NAME)



RN 862846-30-8 CAPLUS
 CN Benzo[b]naphtho[1,2-d]furan-6(5H)-one, 5,5-dibutyl-9-(dibutylamino)- (CA INDEX NAME)

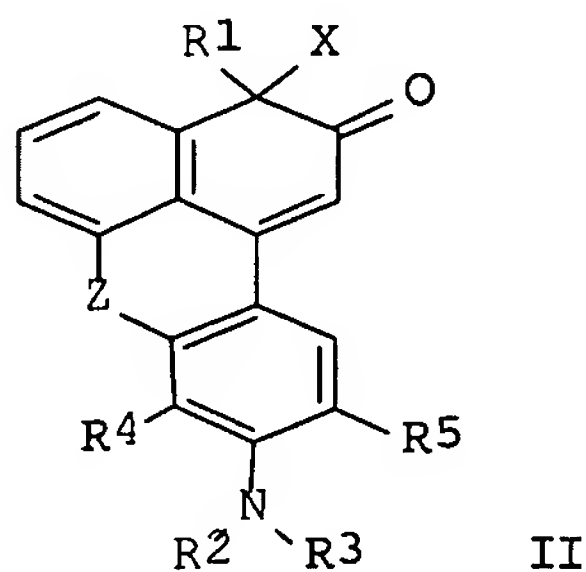
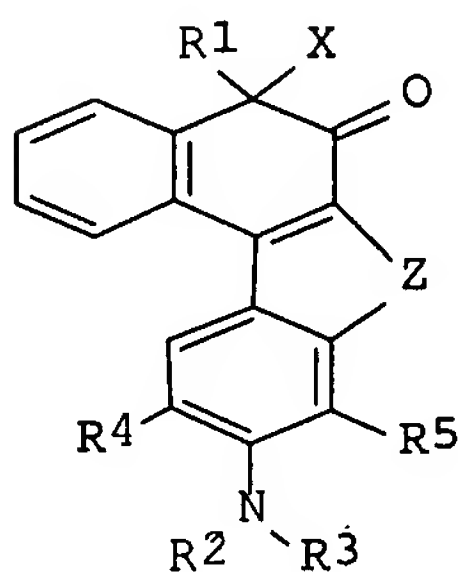


RN 862846-32-0 CAPLUS
 CN Benzo[b]naphtho[1,2-d]furan-6(5H)-one, 5-(acetyloxy)-9-(dibutylamino)-5-methyl- (CA INDEX NAME)



L14 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:902948 CAPLUS Full-text
 DOCUMENT NUMBER: 143:231388
 TITLE: Heteropolycyclic compound and dye
 INVENTOR(S): Yoshida, Katsuhira; Ooyama, Yousuke
 PATENT ASSIGNEE(S): Kochi University, Japan
 SOURCE: PCT Int. Appl., 35 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005078024	A1	20050825	WO 2005-JP2026	20050210
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1717276	A1	20061102	EP 2005-710078	20050210
R: CH, DE, LI				
CN 1918240	A	20070221	CN 2005-80004762	20050210
US 2007185338	A1	20070809	US 2006-588697	20060808
PRIORITY APPLN. INFO.:			JP 2004-36803	A 20040213
			WO 2005-JP2026	W 20050210
OTHER SOURCE(S):	MARPAT 143:231388			
GI				



AB A heteropolycyclic compound represented by the general formula I or II (wherein R1 represents linear or branched C1-10 alkyl, etc.; R2 and R3 are the same or different and each represents linear or branched C1-10 alkyl, etc.; R4 and R5 each represents hydrogen; X represents -OH, etc.; X' represents linear or branched C1-10 alkyl, etc.; and Z represents -O-, etc.) is disclosed. The heteropolycyclic compound has appropriate light absorption wavelengths and appropriate fluorescent wavelengths and has high luminescent intensity. It is

suitable for use in various applications as a dye excellent in various performances including heat resistance, light resistance, solubility, dispersibility in resist materials, and solid luminescence.

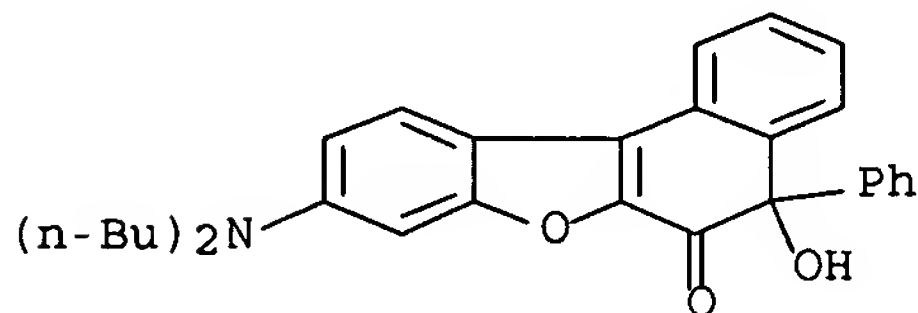
IT 862846-25-1P

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(fluorescent orange-yellow dye; manufacture of fluorescent heteropolycyclic compds. and dyes)

RN 862846-25-1 CAPLUS

CN Benzo[b]naphtho[1,2-d]furan-6(5H)-one, 9-(dibutylamino)-5-hydroxy-5-phenyl-
(CA INDEX NAME)



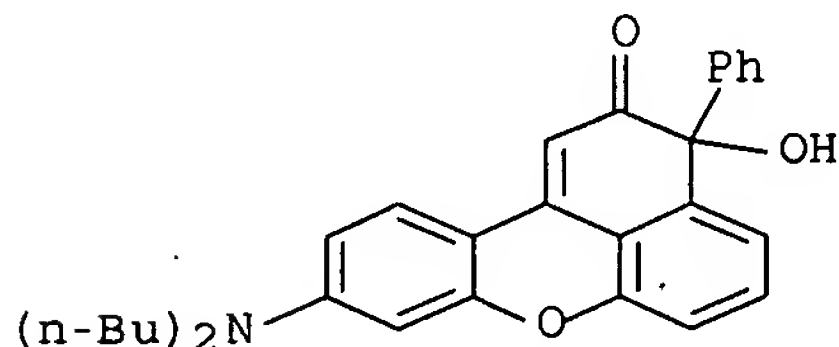
IT 862846-28-4P

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(fluorescent red-brown dye; manufacture of fluorescent heteropolycyclic compds. and dyes)

RN 862846-28-4 CAPLUS

CN Benzo[k]xanthen-2(3H)-one, 9-(dibutylamino)-3-hydroxy-3-phenyl- (CA
INDEX NAME)



IT 862846-23-9P 862846-24-0P 862846-26-2P

862846-27-3P 862846-29-5P 862846-30-8P

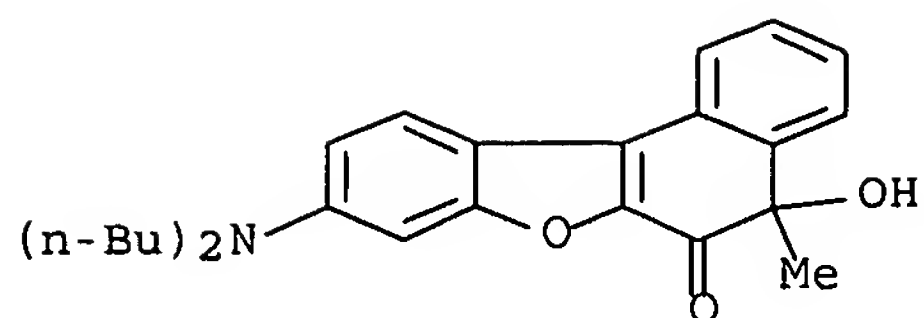
862846-31-9P 862846-32-0P

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(fluorescent yellow dye; manufacture of fluorescent heteropolycyclic compds. and dyes)

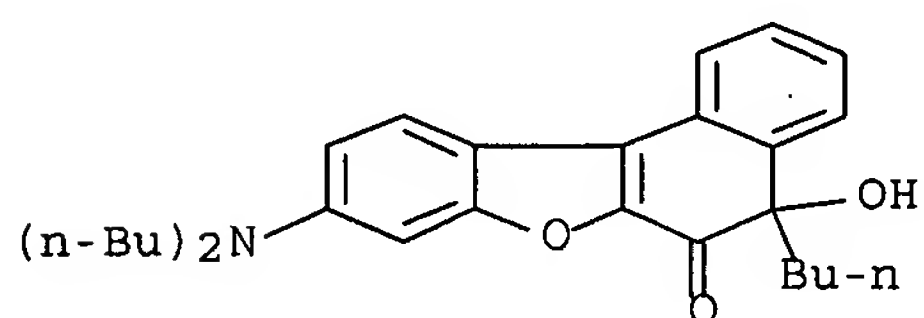
RN 862846-23-9 CAPLUS

CN Benzo[b]naphtho[1,2-d]furan-6(5H)-one, 9-(dibutylamino)-5-hydroxy-5-methyl-
(CA INDEX NAME)



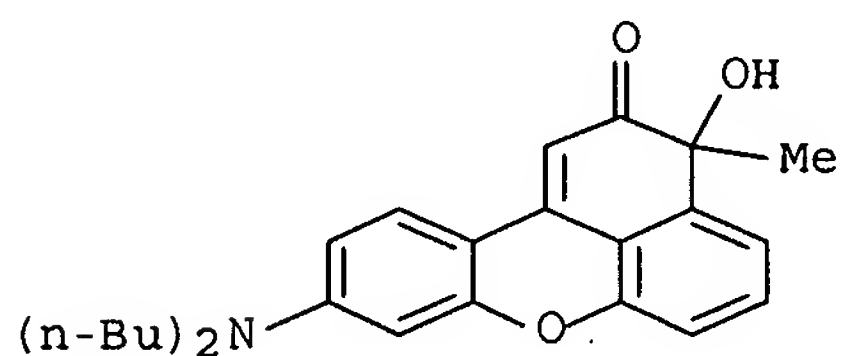
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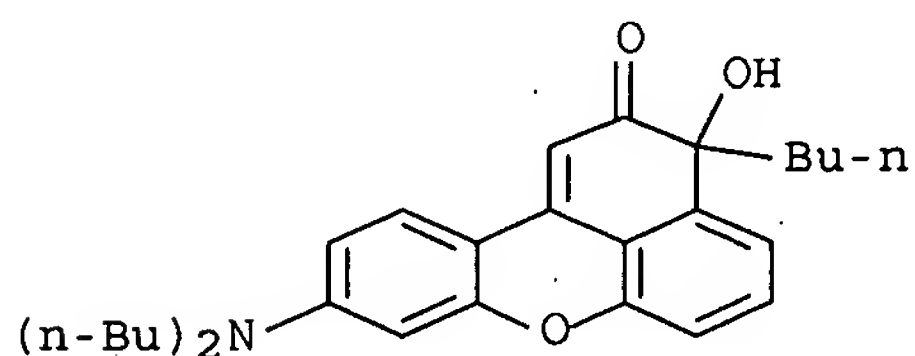
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CN Benzo[k]xanthen-2(3H)-one, 9-(dibutylamino)-3-hydroxy-3-methyl- (CA
INDEX NAME)



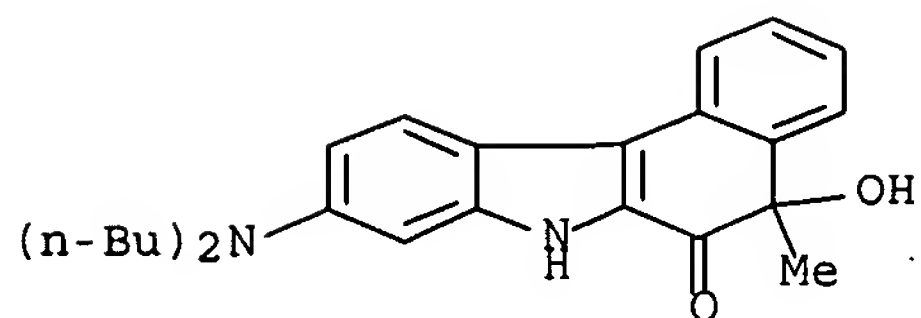
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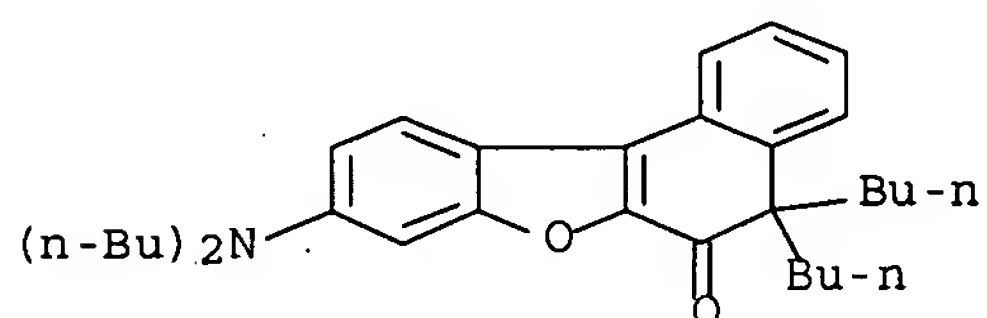
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CN 6H-Benzo[c]carbazol-6-one, 9-(dibutylamino)-5,7-dihydro-5-hydroxy-5-methyl-
(CA INDEX NAME)



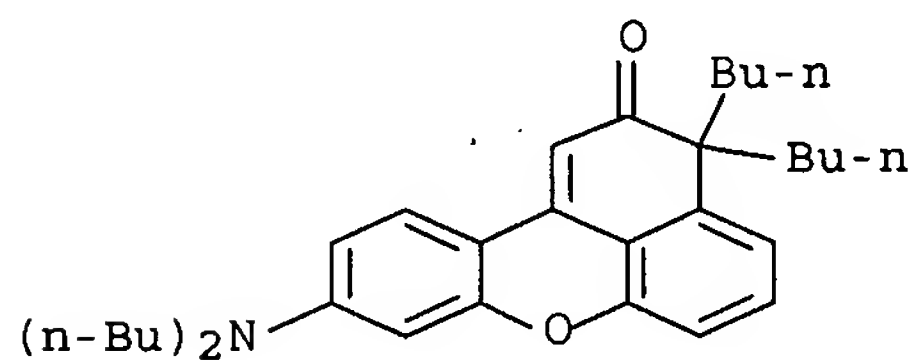
RN 862846-30-8 CAPLUS

CN Benzo[b]naphtho[1,2-d]furan-6(5H)-one, 5,5-dibutyl-9-(dibutylamino)- (CA INDEX NAME)



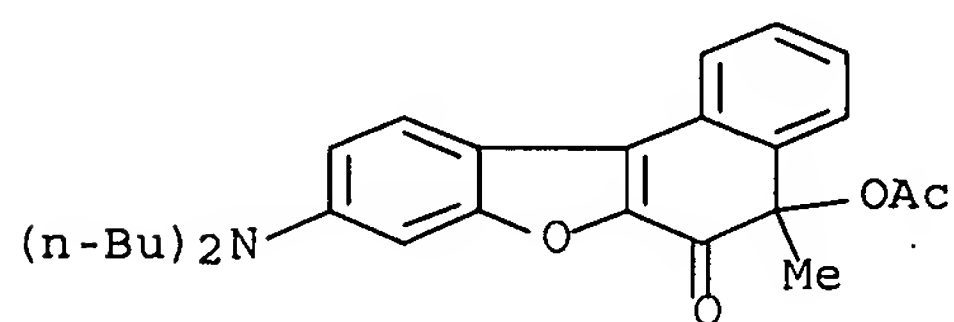
RN 862846-31-9 CAPLUS

CN Benzo[k]xanthen-2(3H)-one, 3,3-dibutyl-9-(dibutylamino)- (CA INDEX NAME)



RN 862846-32-0 CAPLUS

CN Benzo[b]naphtho[1,2-d]furan-6(5H)-one, 5-(acetyloxy)-9-(dibutylamino)-5-methyl- (CA INDEX NAME)



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L4	757160	PIGMENT OR DYES	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/12/02 18:13
L5	47	L3 AND L4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/12/02 18:13